

GenCore version 5.1.3
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OM protein - nucleic search, using frame_plus_p2n model

Run on: January 16, 2003, 16:58:02 ; Search time 1852.4 Seconds
(without alignments)
122 402 Million cell updates/sec

Title: US-09-856-070-17
Perfect score: 69
Sequence: 1 ERKFKMMPEKEEL 14

Scoring table. H2QSM62
Xgapop 10.0, Xgapext 0.5
Ygapop 10.0, Ygapext 0.5
Fgapop 6.0, Fgapext 7.0
Delop 6.0, Del-ext 7.0

Searched: 16154066 seqs, 8037743376 residues

Total number of hits satisfying chosen parameters: 32308132

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing. Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Command line parameters:

-MODEL=frame_plus_p2n model -DEV-xip
-Q/cp2/1/3SP-1-SP-01/US09856070/blast14012003_155834_1644/app-query fasta_1 1552
-DB=EST -QEMT=fastap -SUFFIX=est -MINMATCH=0.1 -LAP=0.1 -L=PEXT=0
-UNITS=bits -START=1 -END=1 -MATRIX=blosum62 -TPANS=human40 codi -LIST=45
-DOALIGN=206 -THE_SCORE=opt -THP_MAX=100 -THP_MIN=0 -ALIGN 15 -MODE=DUAL
-OUTFM=ptc -NORM=ext -HAPSIZE=550 -MINLEN=0 -MAXLEN=200000000
-USER=US09856070 -CONJ=1 -3222 -rdate_14012003_155834_1644 -NCP0=6 -ICP0=4
-NO_XIPXY -NO_WMAP -LAKSQUERY -NC_STOPPS=0 -WAIT -CONJ01 -DEV_T=MP000=120
-WARN_TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -Fgapop=6 -Fgapext=7
-XGAPOP=10 -YGAPEXT=0.5 -DELCP=6 -DELEXT=7

Database: EST *

- 1: em_estbta: *
- 2: em_estfsm: *
- 3: em_estlin: *
- 4: em_estlsm: *
- 5: em_estlov: *
- 6: em_estpli: *
- 7: em_estro: *
- 8: em_hrv: *
- 9: qb_est1: *
- 10: qb_est2: *
- 11: qb_hic: *
- 12: qb_est3: *
- 13: qb_est4: *
- 14: qb_est5: *
- 15: em_estlun: *
- 16: em_estrom: *
- 17: qb_gss: *
- 18: em_gss_hum: *
- 19: em_gss_fov: *
- 20: em_gss_plin: *
- 21: em_gss_vrt: *
- 22: em_gss_fan: *
- 23: em_gss_mam: *
- 24: em_gss_mus: *
- 25: em_gss_other: *
- 26: em_gss_pro: *
- 27: em_gss_rtd: *

Prd. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB ID	Description
1	69	100.0	214	13	R1052878
2	69	100.0	214	14	R1054475
3	69	100.0	215	14	R2467433
4	69	100.0	234	12	R3754562
5	69	100.0	245	12	BP430034
6	69	100.0	275	14	BM844124
7	69	100.0	279	12	BP404423
8	69	100.0	281	10	AW445419
9	69	100.0	294	13	R1050028
10	69	100.0	312	14	BM270866
11	69	100.0	335	9	A1909763
12	69	100.0	358	14	RQ323837
13	69	100.0	364	14	BQ368118
14	69	100.0	401	14	BQ418340
15	69	100.0	404	14	BM744771
16	69	100.0	413	14	BQ300862
17	69	100.0	432	12	BF084744
18	69	100.0	437	14	BM844405
19	69	100.0	447	10	AW997331
20	69	100.0	455	14	BM834336
21	69	100.0	460	14	BM446054
22	69	100.0	469	9	A1834242
23	69	100.0	484	10	AW845215
24	69	100.0	484	10	BE314916
25	69	100.0	484	14	BM834208
26	69	100.0	493	14	R1054723
27	69	100.0	495	14	BM785233
28	69	100.0	507	14	DM220606
29	69	100.0	534	10	AW250240
30	69	100.0	540	9	A1906402
31	69	100.0	543	14	BM786594
32	69	100.0	543	14	BM781260
33	69	100.0	548	14	BM788035
34	69	100.0	553	14	BM762912
35	69	100.0	556	12	BF406657
36	69	100.0	564	12	BC746504
37	69	100.0	574	14	BM744665
38	69	100.0	574	10	BF295933
39	69	100.0	583	14	BM783500
40	69	100.0	590	14	BM783604
41	69	100.0	592	14	BM740878
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ALIGNMENTS

RESULT 1
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LOCUS R1052878 214 bp mRNA linear EST 15-JUN-2001
DEFINITION R1052878 Homo sapiens cDNA, mRNA sequence.
ACCESSION BI052878
VERSION BI052878.1 GI:14456408
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1 (bases 1 to 214)
Dias Neto, E., Garcia Correa, P., Verjovski-Almeida, S., Briones, M.R.,
Nagai, M.A., da Silva, W. Jr., Zago, M.A., Bordin, S., Costa, F.F.,
Goldman, G.H., Carvalho, A.F., Matsukuma, A., Raia, G.S., Simpson, D.H.,

Brunstein,A., deoliveira,P.S., Bucher,P., Jongeneel,C.V., O'Hare,M.J., Soares,F., Brentani,P.R., Reis,I.F., de Souza,S.J. and Simpson,A.J.

Shotgun sequencing of the human transcriptome with ORF expressed

TITLE

Proc. Natl. Acad. Sci. U.S.A. 97 (7), 3491-3496 (2000)

20202663

MEDLINE

COMMENT

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Fax: +55-11-2707001

Email: asimpson@ludwig.org.br

This sequence was derived from the FAPESP/LICR Human Genome

Project. This entry can be seen in the following URL

(http://www.ludwig.org.br/scripts/gethtml2.pl?PI=605&2=605-CN0281

2.html?PI=602&F=2001-02-01&4=1)

Seq primer: puc 18 forward

High quality sequence stop: 214.

Location/Qualifiers

FEATURES

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/organism="Homo sapiens"

/db_xref="taxon:9606"

/clone_lib="GN0281"

/dev_stage="Adult"

/note="Organ: placenta normal; Vector: puc18; Site_1: SmaI

; Site_2: SmaI; A mini-library was made by cloning

products derived from ORFESTS PCR (U.S. Letters Patent

application No. 196,716 - Ludwig Institute for Cancer

Research) profiles into the puc 18 vector. Reverse

transcription of tissue mRNA and cDNA amplification were

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This sequence was derived from the FAPESP/LICR Human Cancer Genome

Project. This entry can be seen in the following URL

(http://www.ludwig.org.br/scripts/gethtml2.pl?PI=605&4=605-CN0281-

010201-012.html?PI=2001-02-01&4=1)

Seq primer: puc 18 forward

High quality sequence stop: 214.

Location/Qualifiers

FEATURES

source

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/organism="Homo sapiens"

/db_xref="taxon:9606"

/clone_lib="GN0281"

/dev_stage="Adult"

/note="Organ: placenta normal; Vector: puc18; Site_1: SmaI

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010201-012.html?PI=2001-02-01&4=1)

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/organism="Homo sapiens"

/db_xref="taxon:9606"

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/dev_stage="Adult"

/note="Organ: placenta normal; Vector: puc18; Site_1: SmaI

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(http://www.ludwig.org.br/scripts/gethtml2.pl?PI=605&4=605-CN0281-

010201-012.html?PI=2001-02-01&4=1)

Seq primer: puc 18 forward

High quality sequence stop: 214.

Location/Qualifiers

FEATURES

source

1..214

/organism="Homo sapiens"

/db_xref="taxon:9606"

/clone_lib="GN0281"

/dev_stage="Adult"

SOURCE

(C) RIGI N

 Q_Y

KEYWORDS
cognitive

38 c 96 g 19 f

4) x BC754552 (1-234)

Correa, R., Garcia Correa, R., Verjovski-Almeida, S., Brites, M.R.,
A., da Silva, W. Jr., Zago, M.A., Bordin, S., Costa F.F.,

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Instituto for Cancer Research
Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP,

This entry can be seen in the following URL:
www.tolwid.org/bc/scripts/gethtml2.pl?i=472-MF4-5T0240-0340

Location/Qualifiers
1. .265

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/note="Organ: stomach; Vector: puc18; Site_1: SmaI;
Site_2: SmaI; A mini-library was made by cloning products

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derived from ORESTES PCR (U.S. Letters Patent application No. 196,716 - Ludwig Institute for Cancer Research) profiles into the pOC 18 vector. Reverse transcription of tissue mRNA and cDNA amplification were performed under

[illegible]

Fax: +55 11 2707991
 Email: asimpson@ludwig.org.br
 This sequence was derived from the FAPESP/LICR Human Cancer Genome Project. This entry can be seen in the following URL
 (http://www.ludwig.org.br/scripts/gethtml2.pl?1 MP15.2-MR1 C73529-140900-002-at24-2-2000-00-14474-1)
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 High quality sequence start: 2
 High quality sequence stop: 401.

FEATURES

Source
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 /db_xref="taxon:9606"
 /clone_lib="C10529"
 /dev_stage="Adult"

/note="organ: colon; Vector: puc18; Site_1: Sma1; Site_2: Sma1; A mini-library was made by cloning products derived from ORSTS PCR (O.S. letters patent application No. 196 /716 - Ludwig Institute for Cancer Research) profiles into the puc 18 vector. Reverse transcription of tissue mRNA and cDNA amplification were performed under low stringency conditions."

BASE COUNT 56 a 144 c 73 q 128 t
 ORIGIN

Alignment Scores:
 Pred. No.: 0.222 Length: 401
 Score: 69.00 Matches: 14
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DH: 14 Gaps: 0

US-09-856-070-17 (1-14) x Bg318349 (1-401)

QY 1 GUAAGGULYSGULGlnMetMetArqGULYSGULGlnLeu 14
 |||||
 Db 285 CACACACAGAAATACACATCATCGCGACAGAGAGAGCTTG 244

RESULT 15

BM/44771

LOCUS BM744771 404 bp mRNA linear EST 01-MAR-2002
 DEFINITION K-EST0018496 SASNU1 Homo sapiens cDNA clone S4SNU1-18-D12 5', mRNA sequence.

ACCESSION BM744771

VERSION BM744771.1 GI:19066100

KEYWORDS EST.

SOURCE human.

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 404)

Kim, N.S., Bahn, Y., Oh, J.H., Lee, J.Y., Ahn, H.Y., Chu, M.Y., Kim, M.R., Oh, K.J., Cheong, J.E., Sohn, H.Y., Kim, J.M., Park, H.S., Kim, S. and Kim, Y.S.

21C Frontier Korean EST Project 2001

Unpublished (2002)

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Email: yonsung@mail.kribb.re.kr

Plate: 18 row: D column: 12

High quality sequence stop: 404.

Location/Qualifiers

1..404

/organism="Homo sapiens"

/db_xref="taxon:9606"

/clone="S4SNU1-18-D12"

/clone_lib="S4SNU1"

/sex="M"

FEATURES

Source

/tissue_type="Stomach"
 /cell_type="lymphoblast-like"
 /cell_line="SNU-1"

/lab_host="top10f"
 /note="Organ: Stomach, Vector: pTZ18RPI; Site_1: EcoRI; Site_2: NotI; the poly (A) RNA was dephosphorylated with bacterial alkaline phosphatase (BAP) and then dephosphated with tobacco acid pyrophosphatase (TAP). The dephosphated intact mRNA was ligated with DNA RNA linker including EcoRI 1 site. By treatment of T4 RNA ligase and the first strand cDNA was synthesized from oligo dt-selected mRNA by priming with dt-tailed vector. The dt-tailed vector was adjusted to have about 60nt. The cDNA vector was circularized with E. coli DNA ligase after digestion of EcoRI which site is also included in vector. An RNA strand converted to a DNA strand by Okayama Berg method. The obtained cDNA vectors were used for transformation of competent cells E. coli Top10f by electroporation method. The cDNA libraries constructed by this method are full-length enriched cDNA library."

BASE COUNT 127 a 83 c 141 q 53 t
 ORIGIN

Alignment Scores:
 Pred. No.: 0.224 Length: 404
 Score: 69.00 Matches: 14
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DH: 14 Gaps: 0

US-09-856-070-17 (1-14) x BM744771 (1-404)

QY 1 GUAAGGULYSGULGlnMetMetArqGULYSGULGlnLeu 14
 |||||

Db 240 CACACACAGAAATACACATCATCGCGACAGAGAGAGCTTG 281

Search completed: January 16, 2003, 21:37:02
 Job time : 1856.4 secs